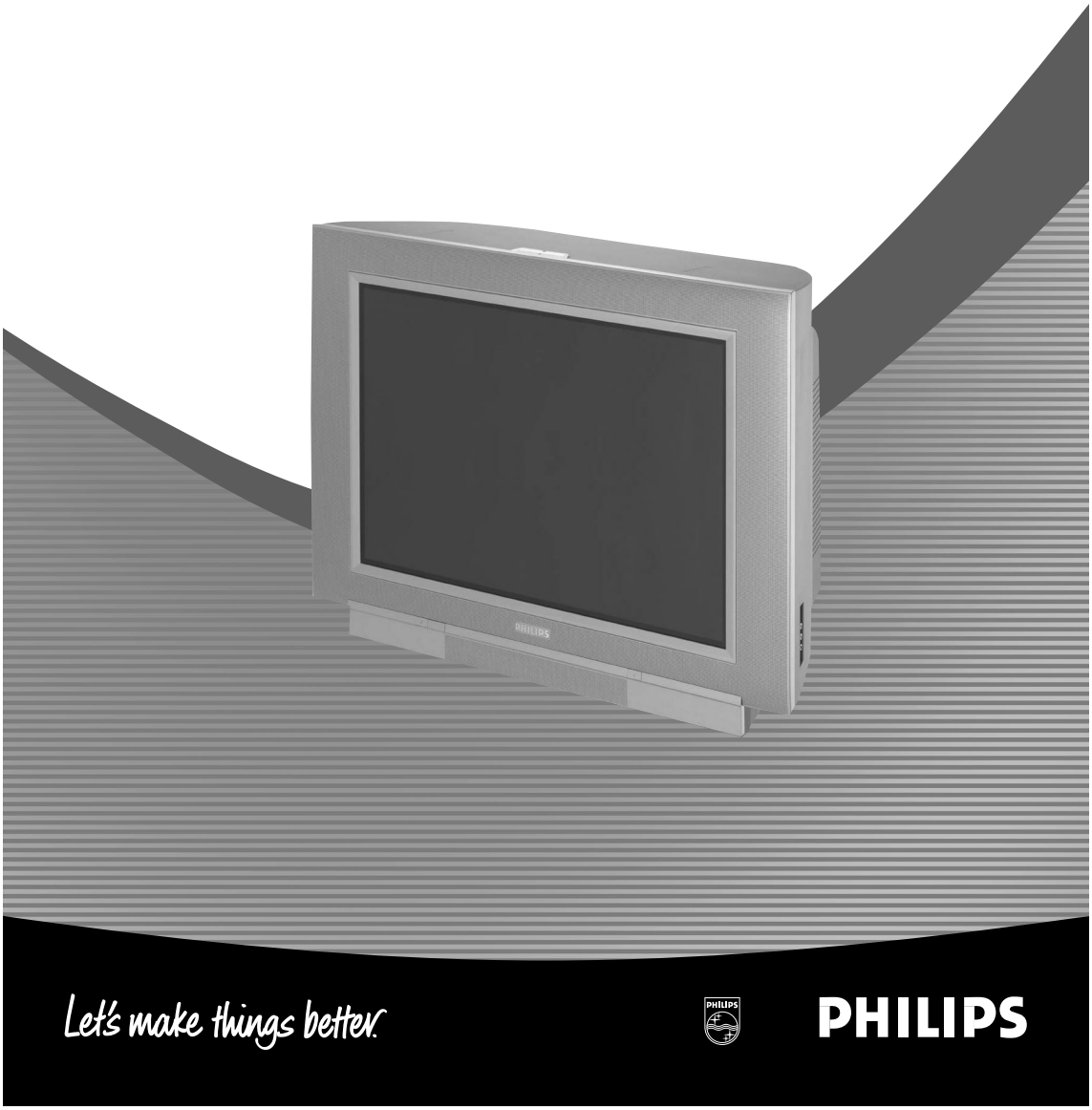
29PT8420

Operating Instructions



Let's make things better.

PHILIPS

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Thank you for purchasing this televison set. You are now the proud owner of a **PHILIPS** TV set which promises full value to you as a customer. Please read the instruction manual carefully and thoroughly to help you install and operate your TV set.

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SAFETY INFORMATION AND USEFUL TIPS

Safety Information

- Disconnect mains plug when :
– the red light below the TV screen is flashing continuously.
– a bright white line is displayed across the screen.
– cleaning the TV screen. Never use abrasive cleaning agents. Use a slight damp chamois leather or soft cloth.
– there is a lightning storm.
– the set is left unattended for a prolonged period of time.

- No naked flame sources, such as lighted candles, should be placed on top of the TV or in the vicinity.

- Do not place your TV set under direct sunlight or heat.

- Leave at least 5 cm around each side of TV set to allow for proper ventilation.

- Avoid placing your set (e.g. near the window) where it is likely to be exposed to rain or water.

- No objects filled with liquids should be placed on top the TV so as to avoid dripping or splashing of liquids on the set.

Useful Tips

- Do not leave your set on standby mode for a prolonged period of time. Switch off set to allow it to be demagnetised. A demagnetised set supports good picture quality.

- Do not shift or move the set around when it is switched on. Uneveness in colour in some parts of the screen may occur.

- Never attempt to repair a defective TV yourself. Always consult a skilled service personnel.

Recycling Directive – To minimise harm to the environment, the batteries supplied with the TV set do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available to you. Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (contact your dealer).

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BEFORE CALLING SERVICE

Below is a list of frequently occurred symptoms. Before you call for service, make these simple checks. Some of these symptoms can easily be rectified if you know what to do.

Symptom	What you should do
Colour patch (uneveness)	• Switch off the TV by the mains power button. Wait for 20 minutes before switching on again. • Check the TV is not placed too near speakers or magnetic objects.
No power	• Check the TV's AC power cord is plugged into the mains socket. If there is still no power, disconnect plug. Wait for 60 seconds and re-insert plug. Switch on the TV again.
No picture	• Check the antenna connection at the rear of the TV. • Possible TV station problem. Try another channel.
Good picture but no sound	• Try increasing the volume. • Check that the sound is not muted. If it is muted, press the **Mute** button on the remote control to restore sound.
Good sound but poor colour or no picture	• Try increasing the contrast and brightness setting.
Snowish picture and noise	• Check antenna connection at the rear of the TV.
Horizontal dotted lines	• Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off appliances.
Double images or "Ghost" images	• Possible poor positioning of antenna. Using a highly directional antenna may improve reception.
TV not responding to remote control handset	• Check life span of batteries of remote control handset. • Aim remote control handset directly at remote control sensor lens on the TV.

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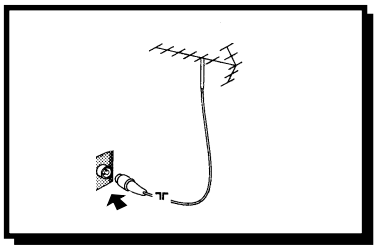
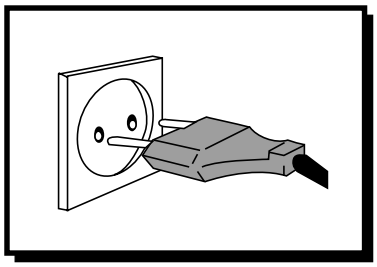
HOOKING UP YOUR TV (BASIC CONNECTION)



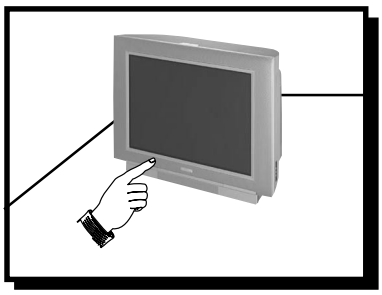
Antenna Connection

- Connect the aerial plug to the antenna socket on the backcover.
- Insert the mains plug into the wall socket.



Mains Connection

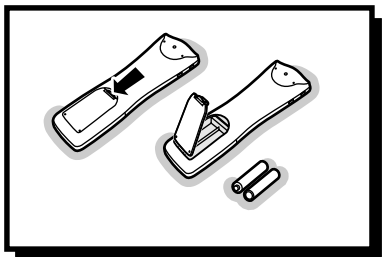
- For correct mains voltage, refer to type sticker at the rear of the TV set
- Consult your dealer if mains supply is different.
  Note : This diagram is not representative of the actual plug and socket.



Switching on the Set

- Press the main power button to switch on/ off the TV.
- If the set is on standby (indicator is red), press the **Power** button on the remote control to switch on set.

USE/CARE OF REMOTE CONTROL



- Insert the correct type of batteries into the compartment.
- Ensure the batteries are placed in the right direction.

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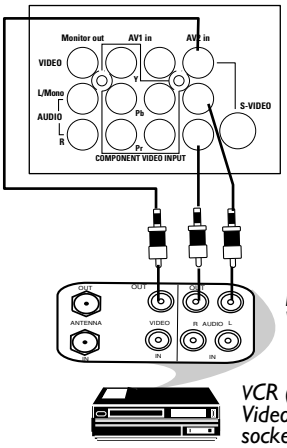
CONNECTING THE AUDIO/VIDEO SOCKETS (PLAYBACK)



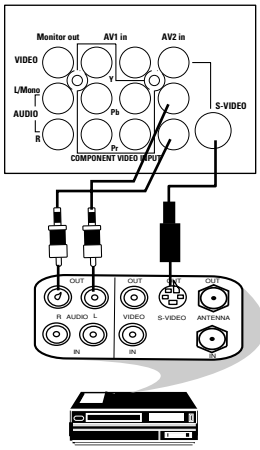
AV sockets on rear of TV

Back of VCR

VCR (Equipped with Video and Audio Output sockets

You can view the playback of VCR tapes (Video Disc players, camcorders, etc.) by using the AUDIO and VIDEO INPUT sockets on the rear of the TV.

– Connect the **VIDEO** and **AUDIO IN** sockets on the rear of the TV to the **AUDIO** and **VIDEO OUT** sockets on the VCR.



AV sockets on rear of TV

Back of S-VHS VCR

The S-Video connection on the rear of the TV is used for the playback of S-VHS VCR tapes, Video Discs, Video Games or Compact Disc-Interactive (cd-i) discs. Better picture detail and clarity is possible with the S-Video playback as compared to the picture from a normal antenna (RF) connection.

– Connect the **S-VIDEO** socket on the rear of the TV to the **S-VHS OUT** socket on a S-VHS VCR.
– Connect the **AUDIO IN** sockets from the rear of the TV to the **AUDIO OUT** sockets on the VCR.

Note : You need not connect the **VIDEO IN** socket of the TV if **S-VIDEO IN** socket is connected.

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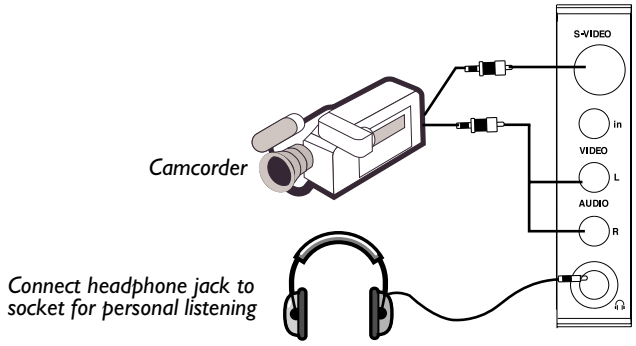
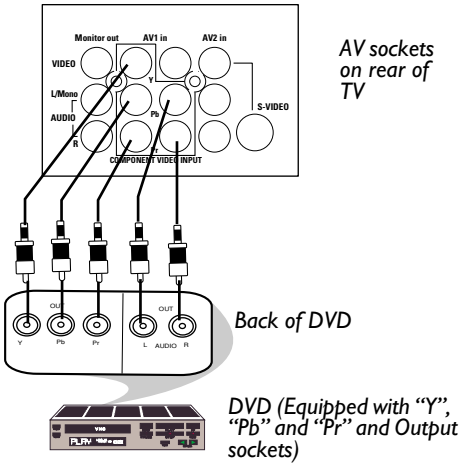
CONNECTING THE AUDIO/VIDEO SOCKETS (PLAYBACK)



For more convenient direct playback connections, the Side Audio/Video Input sockets allow for quick and easy connections, particularly Camcorder tape recordings.

– Connect the **S-VIDEO** socket (if available) from the Camcorder to the Side **S-VIDEO** socket of the TV. You need not connect the Side **VIDEO IN** socket of the TV if the **S-VIDEO** socket is connected.
– Connect the **AUDIO OUT** sockets (Right and Left) from the Camcorder to the Side **AUDIO IN** sockets.



You can view the playback of DVD discs by using the COMPONENT VIDEO INPUT sockets on the rear of the TV.

– Connect the **"Y", "Pb"** and **"Pr" INPUT** sockets on the TV to the **"Y", "Pb"** and **"Pr" OUTPUT** sockets on the DVD to view playback of DVD discs.

Note : **"Y"**, **"Pb"**, **"Pr"** sockets and **AV1** sockets cannot be connected simultaneously.

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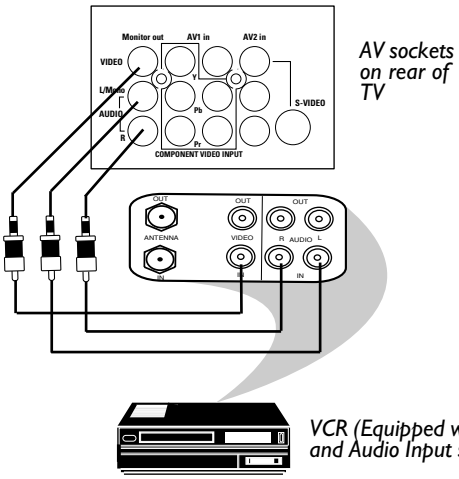
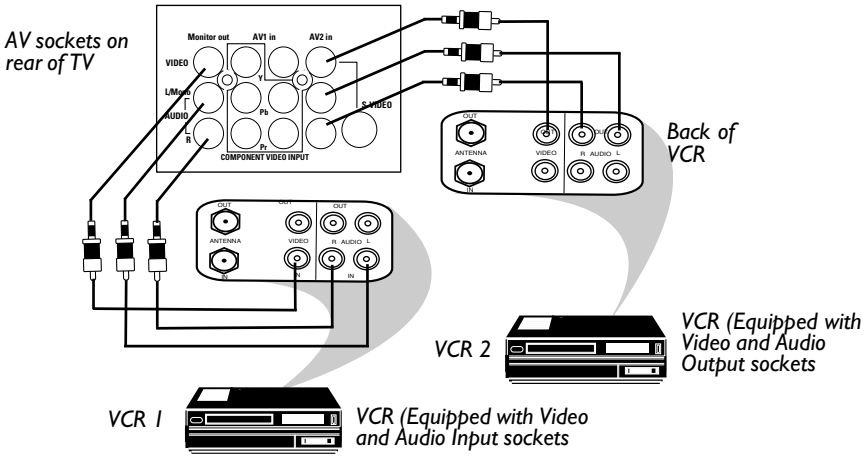
CONNECTING THE AUDIO/VIDEO SOCKETS (RECORDING)

Connection for recording from the TV channel



– Connect the corresponding **INPUT** sockets of the VCR to the **MONITOR OUTPUT** sockets on the rear of the TV.
– To enhance the sound of your TV, connect the **AUDIO L** and **R** sockets to an external audio system instead of the VCR. For mono equipment, connect only the **AUDIO L** socket.

Connection for recording from one VCR to another VCR



– Connect the sockets of the VCR which you wish to record from, to the corresponding sockets at either **AV1** or **AV2**..
– Connect the sockets of the receiving VCR to the **MONITOR OUTPUT** sockets on the rear of the TV.

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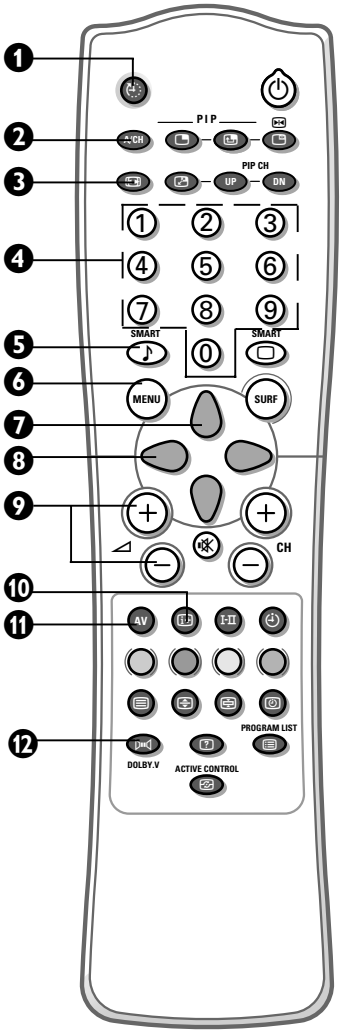
FUNCTIONS OF REMOTE CONTROL



1 SLEEPTIMER
Allows you to select a time period after which the set will switch to standby mode automatically.

2 A/CH (Alternate Channel)
Allows you to alternate between the last viewed channel and the present channel.

3 FORMAT
You can have a choice of different formats for your viewing pleasure, namely : - **Auto, 4:3** mode, **EXPAND 4:3** mode and **COMPRESS 16:9** mode

4 DIGIT (0 -9)
Allows you select a channel. **Note** : For a 2-digit number, the second digit must be entered before the "–" sign disappears.

5 SMART SOUND
Allows you to select your desired sound setting from 4 types of sound settings.

6 MENU
Displays main menu. Also exits menu from screen.

7 CURSOR UP
Allows you to select the next item on the menu.

8 CURSOR LEFT
Allows you to access the sub-menus and adjust the settings.

9 VOLUME + / –
Increases or decreases volume.

10 OSD
– Displays the channel number, sound and colour transmission mode, status of the sleeptimer., channel name (if channel is named) and the current time (if current time is being entered in the Timer menu).
– Also allows you to exit menu from screen.

11 AV
Allows you to select the AV channels.

12 DOLBY VIRTUAL
– Allows you to select Incredible Surround/Virtual Dolby Surround sound and Stereo when transmission is in stereo mode. Virtual Dolby Surround allows you to enjoy the sensation of Home Cinema surround sound with just 2 front speakers.
– Allows you to select Spatial Sound when transmission is in mono mode.

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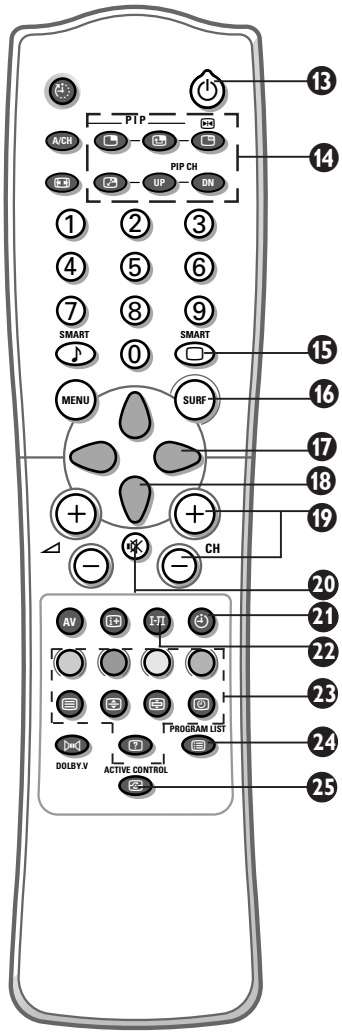
FUNCTIONS OF REMOTE CONTROL



⓭ STANDBY
- Switch set off temporarily to standby mode. (The red light indicator lights up when set is on standby mode).
- To switch on set from standby mode, press Channel Up/Down, Digit (0 -9) or Standby button.

⓮ PIP (Picture-in-Picture)
Allows you to access the Picture-in-Picture and Double Window features. (For more detailed description of functions, refer to the sections on "Activating the PIP and Double Window Control")

⓯ SMART PICTURE
Allows you to select your desired picture setting from 5 types of picture settings.

⓰ SURF
Allows you to select up to a maximum of 10 channels and view quickly the selected channels.

⓱ CURSOR RIGHT
Allows you to access the sub-menus and adjust the settings.

⓲ CURSOR DOWN
Allows you to select the next item on the menu.

⓳ CHANNEL + / –
Selects channel in ascending or descending order.

⓴ MUTE
Mutes sound. To restore sound, press button again.

㉑ TIMER
Allows you to set the clock to switch to another channel at a specified time while you are watching another channel or when the set is on standby mode.

㉒ I-II
Allows you to switch from Stereo to Mono sound during stereo transmission or to choose between language I or language II during dual sound transmission.

㉓ TELETEXT
Allows you to access teletext informaion. For detailed description of functions, refer to section on "Using the Teletext"

㉔ PROGRAM LIST
Allows you to navigate through a list of installed programs for a quick overview of the channels and activate the channel you have selected.

㉕ ACTIVE CONTROL
Adjusts settings automatically for optimal picture quality under any signal conditions (Refer to section on "Using the Active Control").

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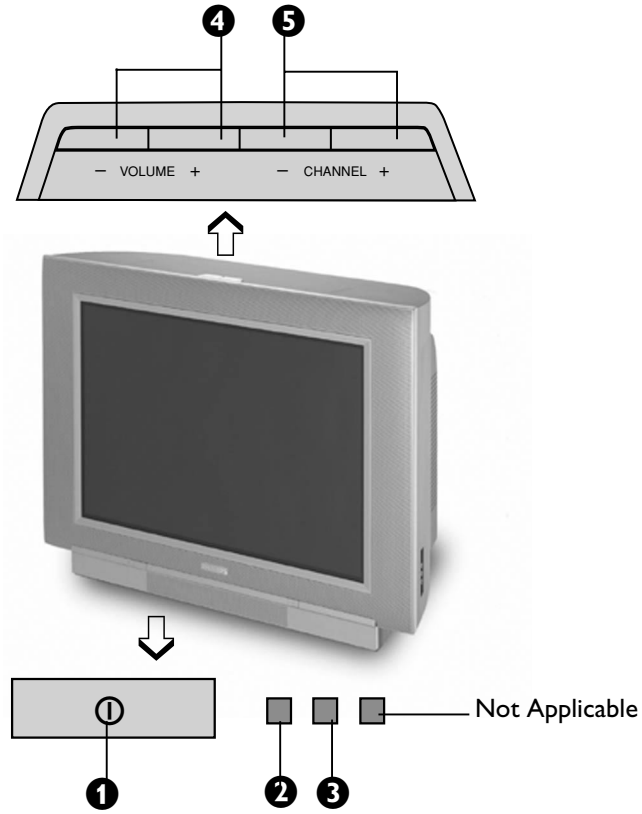
FUNCTIONS OF TV CONTROLS



1	**Mains Power button**	Switch mains power on or off.
2	**Standby Light indicator**	Indicate red light when standby mode is activated.
3	**Remote Sensor**	Acts as a sensor for activating the controls of the TV when remote control handset is aimed at it.
4	**Volume + / – button**	Adjust sound volume louder/softer.
5	**Channel + / – button**	Select channel in ascending/descending order.

Note

- You can enter the main menu by pressing both the **Volume +** and **–** buttons at the same time.
- Press the **Channel +** or **–** button to select the next item on the menu.
- Press the **Volume +** or **–** button to access the sub-menus and adjust the settings.

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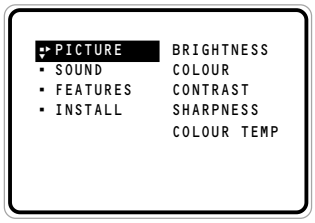
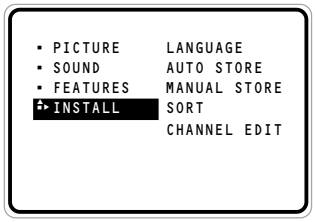
SELECTING THE MENU LANGUAGE AND AUTOMATIC TUNING OF CHANNELS

Operating instructions generally explains the operation of the TV set using the buttons on the remote control unless otherwise stated. Please read the following instructions carefully and follow the steps as shown to familiarise yourself with the installations and all features available in your set.

Before you tune in the channels by the **AUTO STORE** method, select the menu language of your choice. The **LANGUAGE** feature allows you to set the TV's on-screen menu to be shown in your desired language.

Step	Press button		Result on screen
1	MENU	Enter main menu.	
2		Press button repeatedly until **INSTALL** is selected.	
3		Enter **INSTALL** menu.	

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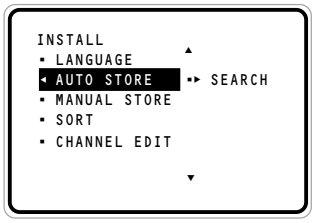
SELECTING THE MENU LANGUAGE AND AUTOMATIC TUNING OF CHANNELS

Step	Press button		Result on screen
4		Enter **LANGUAGE mode.**	
5	OR	Select desired language.	
6		Exit from language mode.	
7		Select **AUTO STORE**.	
8		Start automatic tuning.	
9		When tuning is completed, exit menu from screen.	

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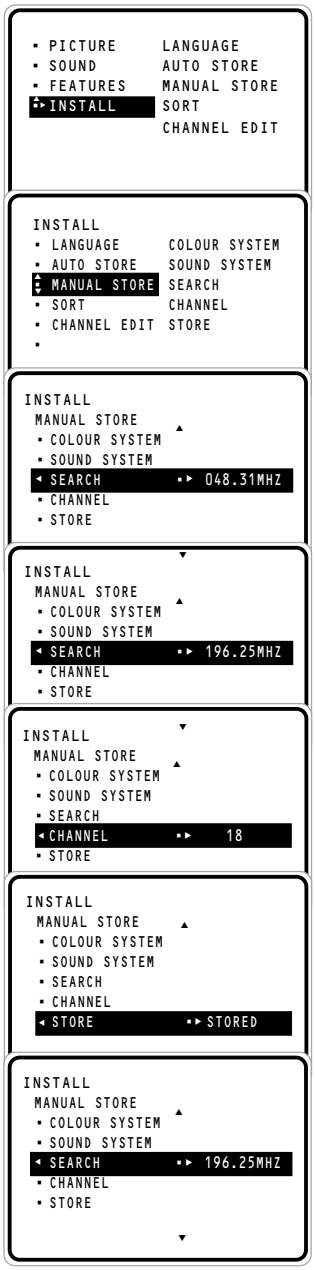
MANUAL TUNING OF CHANNELS

Manual tuning allows you to store each programme manually.

Step	Press button	
1	MENU	Enter main menu.
2		Press button repeatedly until **INSTALL** is selected.
3		Enter **INSTALL** menu.
4		Press button repeatedly until **MANUAL STORE** is selected.
5		Enter **MANUAL STORE** menu.
6		Select **SEARCH**.
7		Start manual tuning of channel. Searching stops once a transmitting channel is found.
8		Select **CHANNEL**.
9	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the desired channel number.
10		Select **STORE.**
11		Store tuned channel. **Note** : If you want to continue searching for another transmitting channel, repeat steps 7 to 11.
12		Exit menu from screen.

Result on screen



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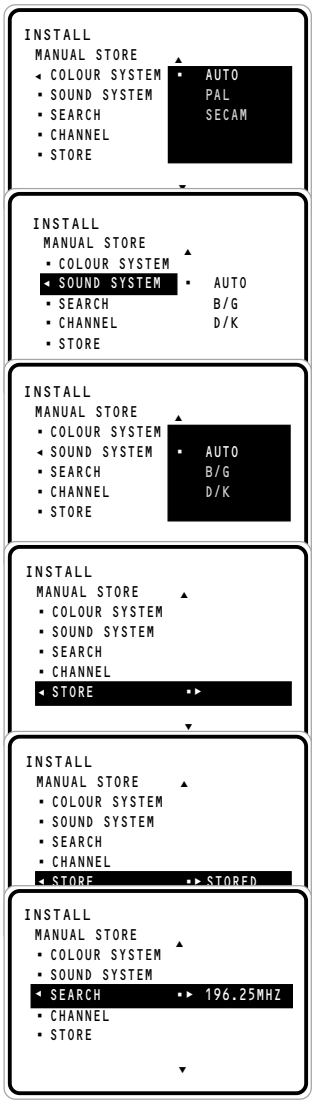
SELECTING THE COLOUR /SOUND SYSTEM

This feature allows you to select your desired **COLOUR** and **SOUND** system. If **AUTO** is selected, the respective colour and sound system will be automatically selected according to the transmission system.

Note : Select your desired colour and sound system manually if reception is poor at **AUTO** mode.

Step	Press button		Result on screen
		Repeat **step 1** to **step 5** as in **"MANUAL TUNING OF CHANNELS"**	
6		**COLOUR SYSTEM** is selected. Enter **COLOUR SYSTEM** mode.	
7	OR	Select the desired colour system.	
8		Exit from colour system mode.	
9		Proceed to select **SOUND SYSTEM.**	
10		Enter **SOUND SYSTEM** mode.	
11	OR	Select the desired sound system.	
12		Exit from sound system mode.	
13		Press button repeatedly until **STORE** is selected.	
14		Store selected system.	
15		Exit menu from screen.	



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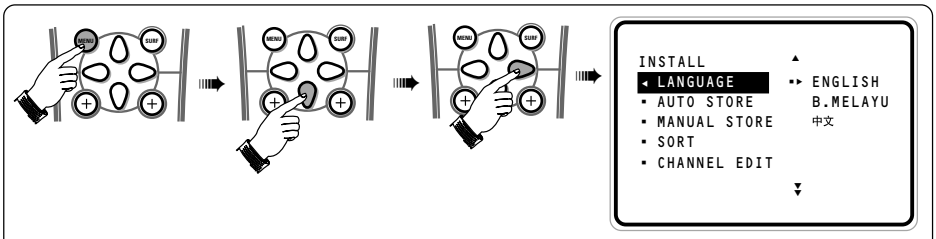
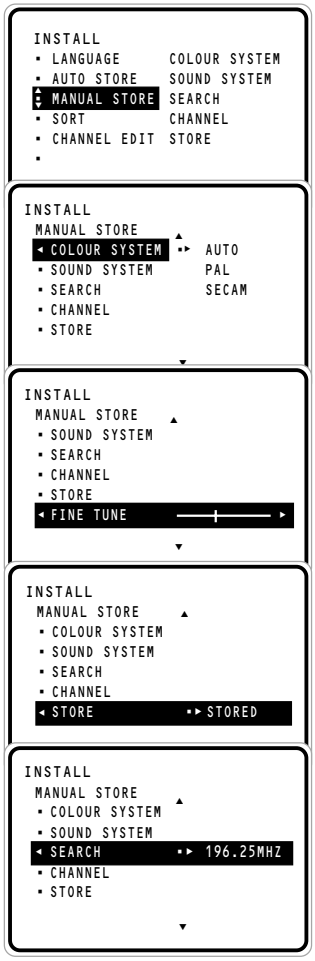
FINE TUNING OF CHANNELS

This feature allows you to adjust picture reception in areas of weak reception.



1. Enter main menu. 2. Select **INSTALL**. 3. Enter install menu.

Step	Press button		Result on screen
4		Press button repeatedly until **MANUAL STORE** is selected.	
5		Enter **MANUAL STORE** menu.	
6		Press button repeatedly until **FINE TUNE** is selected.	
7	OR	Start fine-tuning until desired picture and sound is obtained.	
8		Select **STORE**.	
9		Store last fine-tuned status.	
10		Exit menu from screen.	



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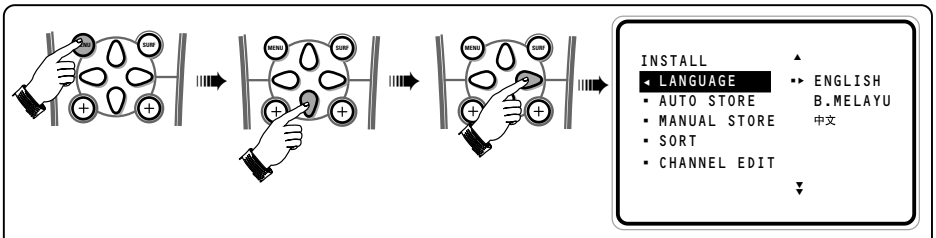
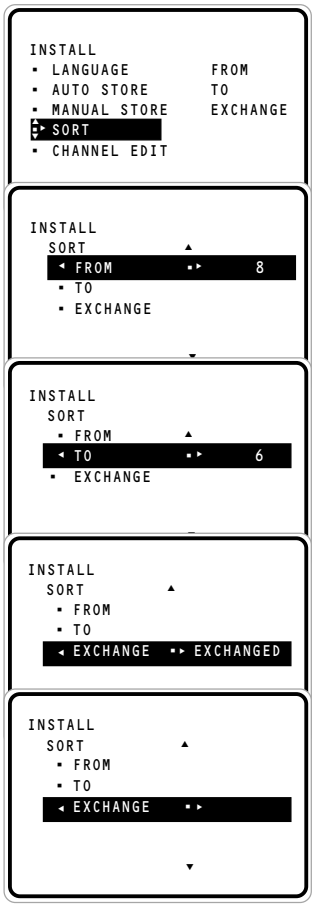
SORTING OF CHANNELS

This feature allows you to change the channel number to your choice for a particular TV station.



1. Enter main menu. 2. Select **INSTALL**. 3. Enter install mode.

Step	Press button		Result on screen
4		Press button repeatedly until **SORT** is selected.	
5		Enter **SORT** menu.	
6	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the channel number in the **FROM** column, that is, the channel you want to swap from.	
7		Select **TO** .	
8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the channel number in the **TO** column. that is, the channel you want to swap to.	
9		Select **EXCHANGE**.	
10		Activate exchange of channels.	
11		Exit menu from screen.	



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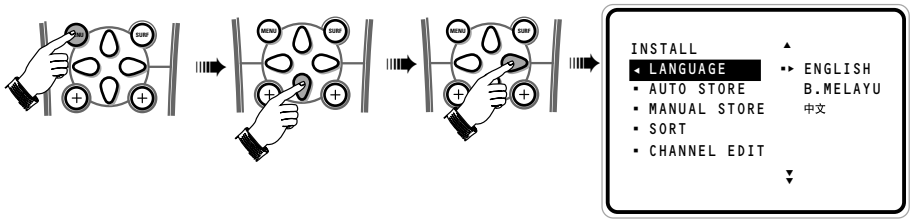
EDITING OF CHANNELS

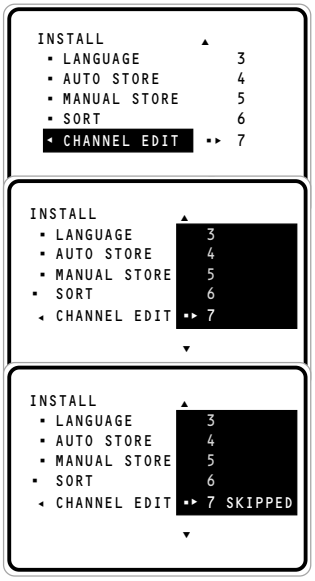
This feature allows you to edit or skip channels which have bad or weak TV signal or channels that you do not watch often.

Note : Once a channel is skipped, you cannot have access to it by the **CHANNEL +** or **–** button. You can only access the channel by the **DIGIT (0 -9)** button.



1. Enter main menu. 2. Select **INSTALL.** 3. Enter install mode.

Step	Press button		Result on screen
4		Press button repeatedly until **CHANNEL EDIT** is selected.	
5		Enter channel edit mode.	
6	OR	Select the channel you want to skip.	
7		Activate skipped mode.	
8		Exit menu from screen.	



How to add back channels

- Repeat steps 1 to 5 as in **"Editing of Channels"**.
- Select the channel you want to add back by the **(CURSOR UP)** or **(CURSOR DOWN)** button.
- Press the **(CURSOR RIGHT)** button to activate adding back of channel.
- Exit menu from screen by the **(OSD)** button.

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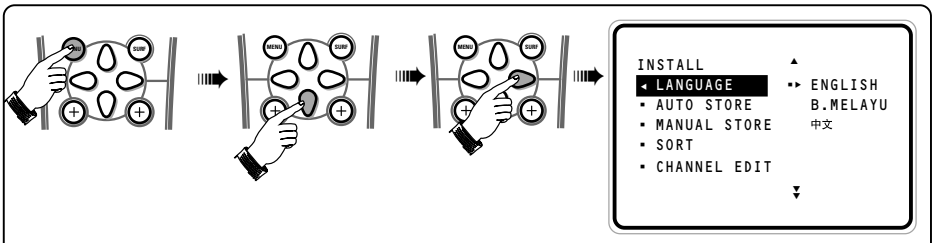
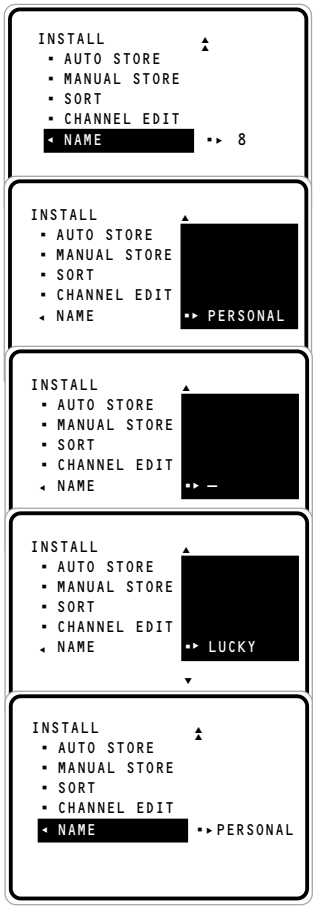
NAMING OF CHANNELS

This feature allows a selection of 10 channels of pre-defined names. It also allows you to enter a new name or modify an existing name of a channel for 40 channels including external channels.



1. Enter main menu. 2. Select **INSTALL.** 3. Enter install mode.

Step	Press button		Result on screen
4		Press button repeatedly until **NAME** is highlighted.	
5		Enter **NAME** mode.	
6	OR	Select desired preset name and press (**CURSOR RIGHT**) button to store selected pre-set name.	
7		If you select **PERSONAL**, move to first character slot	
8	OR	Press button repeatedly to cycle through the characters and select desired character. Move to next character slot by the **(CURSOR RIGHT)** button and select in the next character. (You can enter up to a maximum of 5 characters)	
9	MENU	Store named channel.	
10		Exit menu from screen.	



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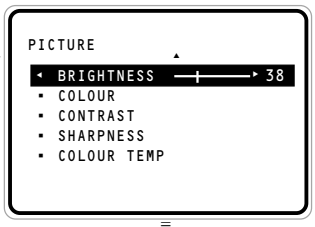
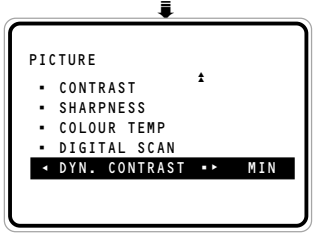
USING THE PICTURE/SOUND MENU

The picture and sound menus allow you to make adjustments to the picture and sound. It also allow you to select and activate other features in the menu.

1. Press the MENU **(MENU)** button to enter main menu.
2. Use the ▲ or ▼ **(CURSOR UP/DOWN)** buttons to select the items on the **PICTURE/SOUND** menu.
3. Use the ◄ or ► **(CURSOR LEFT/RIGHT)** buttons to access the sub-menus.

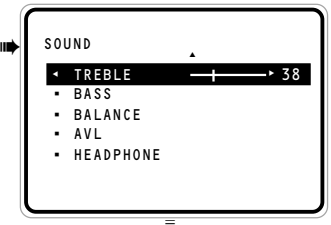
Picture menu items	Activities
Brightness	Increase or decrease brightness level.
Colour	Increase or decrease color level.
Contrast	Increase or decrease contrast level until lightest parts of the picture show good detail.
Sharpness	Increase or decrease sharpness level to improve detail in the picture.
Colour Temp	Allows you a choice of 3 picture settings (NORMAL, WARM and COOL).
Digital Scan	Selecting the "ON" option allows you to reduce picture flickering while watching TV programmes.
Dynamic Contrast	Allows you a choice of 3 settings (Minimum, Medium and Maximum) to boost the contrast level especially in dark scene so as to make the picture more noticeable.





Note : HUE feature is only applicable to NTSC programmes. The **HUE** item will not appear on the menu if programme is in PAL mode.

Sound menu items	Activities
Treble	Increase or decrease the high frequency level.
Bass	Increase or decrease the low frequency level.
Balance	Adjusts the balance of the right and left speakers' sound output.
AVL (Auto Volume Leveller)	As variation in signal conditions can result in a sudden change in volume during commercial breaks or channel switching, selecting the "ON" function will enable the volume to remain at a standard volume level.
Headphone	Allows you to adjust the volume and balance of the headphone.



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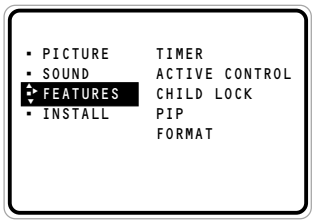
USING THE ACTIVE CONTROL FEATURE

This feature automatically adjust settings for optimal picture quality continuously under any signal conditions. To activate the Active Control feature, select the "**ON**" option in the Active Control menu.

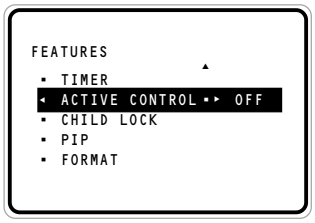
How to access the Active Control function

1. Press the MENU (**MENU**) button to enter main menu and press the (**CURSOR DOWN**) button repeatedly until **FEATURES** is selected.

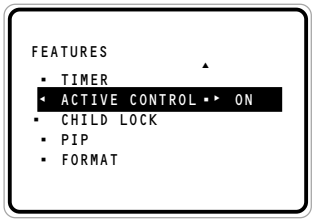


2. Press the (**CURSOR RIGHT**) button to enter **FEATURES** menu.

3. Press the (**CURSOR DOWN**) button to select **ACTIVE CONTROL**.



4. Press the (**CURSOR RIGHT**) button repeatedly to select **ON**, option to activate the Active Control function.



Note : You can also access the **ACTIVE CONTROL** function directly by the ACTIVE CONTROL (**ACTIVE CONTROL**) button. When **ON** option is selected via the ACTIVE CONTROL (**ACTIVE CONTROL**) button, the settings of **SHARPNESS** and **NOISE REDUCTION** will be displayed on the screen.

5. Press the (**OSD**) button to exit menu from screen.

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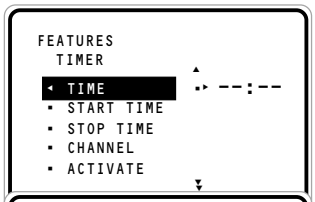
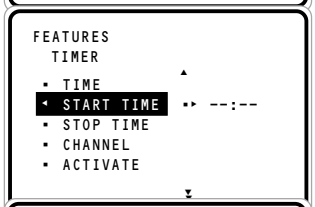
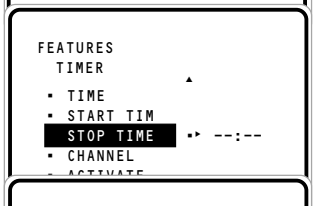
ACTIVATING THE TIMER

The Timer feature allows you to set the timer to switch to another channel at a specified time while you are watching another channel or when the TV is on standby mode.
Note : For the timer to function, the set must not be switched off. Once the set is switched off, the timer is disabled.

Step	Press button		Result on screen
1		Enter **TIMER** menu.	
2		Enter **TIME** mode.	
3	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the current time For example, if the current time is 12:30, key digit 1 and 2 in the hour column, followed by digit 3 and 0 in the minute column.	
4	MENU	Exit from **TIME** mode.	
5		Select **START TIME**.	
6		Enter the **START TIME** mode.	
7	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the time you want the programme to be switched on.	
8	MENU	Exit from **START TIME** mode.	
9		Select **STOP TIME**.	
10		Enter **STOP TIME** mode.	
11	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the time you want the programme to be switched off.	

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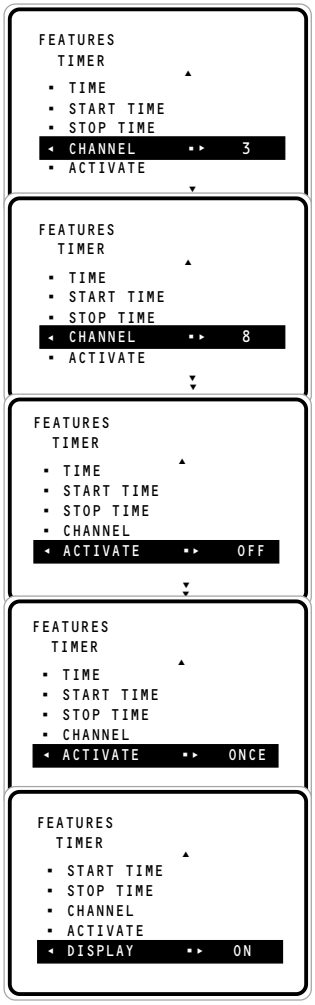
ACTIVATING THE TIMER

Step	Press button		Result on screen
12	MENU	Exit from **STOP TIME** mode.	
13		Select **CHANNEL**.	
14	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in the channel you want to switch to.	
15		Select **ACTIVATE**.	
16		Activate timer. You can select to activate timer by **DAILY** or **ONCE** mode.	
17		Select **DISPLAY**.	
18		Select **ON** mode if you want to display the current time on the TV creen.	
19		Exit menu from screen.	



Note

30 seconds before the timer is activated, a message indicating the time left for the channel switch will appear on the screen. To disable the channel switch, press any button on the remote control.

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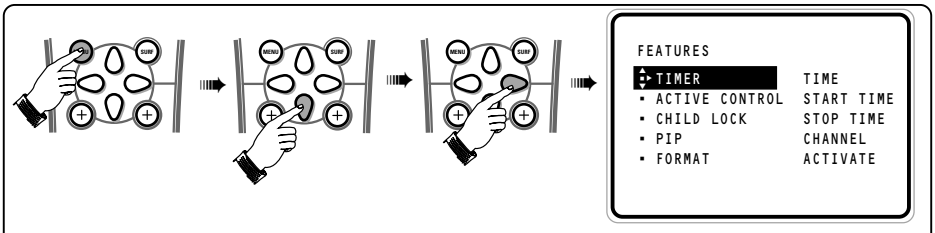
ACTIVATING THE CHILD LOCK (ACCESS CODE)

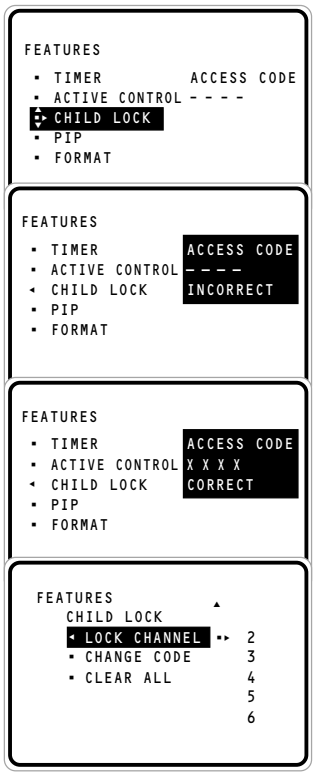
The Child Lock feature allows you to lock channels to prevent your children from watching programmes you deem undesirable.

Note : You cannot have access to the locked channels via the top controls of the TV set. You can only have access to the locked channels via the remote control. Keep the remote control out of reach so as to prevent your children from having access to it.



1. Enter main menu. 2. Select **FEATURES** . 3. Enter **FEATURES** menu.

Step	Press button		Result on screen
4		Select **CHILD LOCK** .	
5		Enter **ACCESS CODE** mode.	
6	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in access code **0711** (0711 is the default access code). A message **INCORRECT** will appear.	
7	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in **0711** the second time. When the message **CORRECT** appears, the **CHILD LOCK** menu is now accessible.	
		You can now proceed to change the access code of your choice.	



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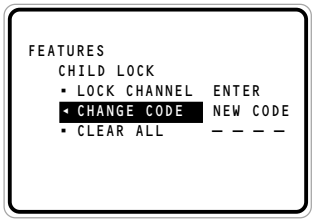
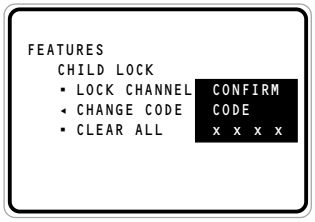
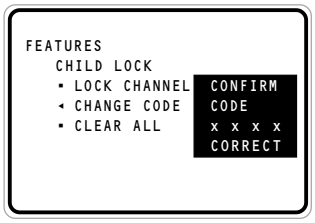
ACTIVATING THE CHILD LOCK (CHANGE CODE)

Step	Press button		Result on screen
8		Select **CHANGE CODE.**	
9		Enter **CHANGE CODE** mode.	
10	1 2 3 4 5 6 7 8 9 0	Key in the access code of your choice.	
11	1 2 3 4 5 6 7 8 9 0	Confirm access code.	
		When the new code is confirmed, the message **CORRECT** will appear.	
12		Exit menu from screen.	

Note : After you have exit menu from screen and you want to enter child lock menu again , you need to key the new access code only once. If you have forgotten the new access code, key in 0711 twice to enter the child lock menu. Upon entering the child lock menu, you can proceed to change code again.

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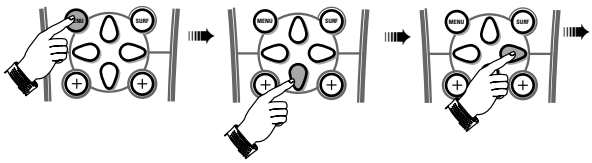
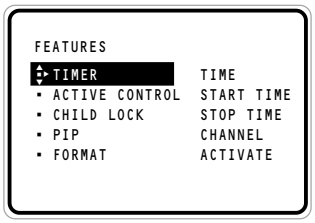
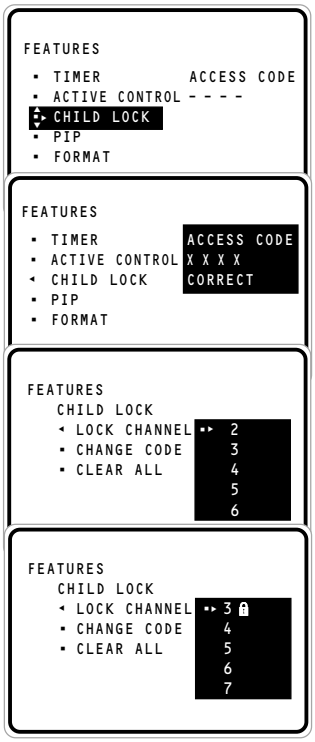
ACTIVATING THE CHILD LOCK (LOCK CHANNEL)





1. Enter main menu. 2. Select **FEATURES**. 3. Enter **FEATURES** menu.

Step	Press button		Result on screen
4		Select **CHILD LOCK** .	
5		Enter **ACCESS CODE** mode.	
6	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in access code .	
7		Enter **LOCK CHANNEL** mode.	
8	OR	Select the channel you want to block.	
9		Activate blocking of channel. A keylock symbol will appear beside the channel number indicating that it is locked.	
10		Exit menu from screen.	



Note : You cannot have access to the locked channels via the top controls of the TV set. You can only have access to the locked channels via the remote control.
When AV1 source is locked, CV1 source is automatically locked. Like-wise, if CV1 source is locked, AV1 source is also automatically locked as they share the same audio input.

If you attempt to enter the **INSTALL** menu after locking a channel, a message "Enter **ACCESS CODE**" will appear on the screen. You need to enter the **ACCESS CODE** to enable you to enter the **INSTALL** menu.

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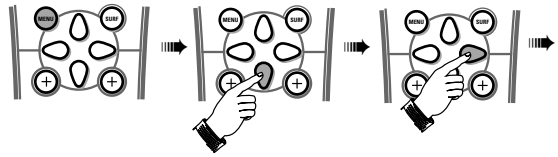
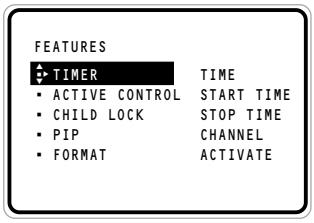
ACTIVATING THE CHILD LOCK (CLEAR ALL)

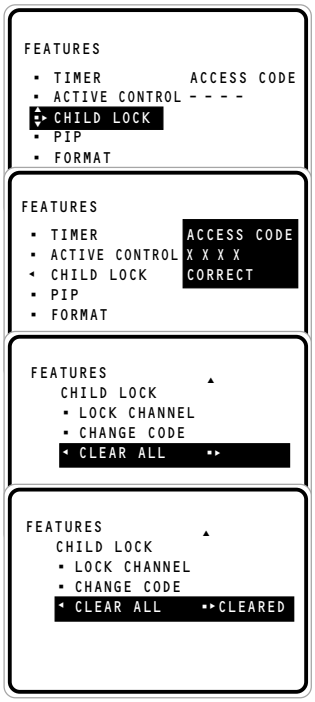
To unlock channels that you have locked, enter the Child Lock menu and activate the **CLEAR ALL** mode.





1. Enter main menu. 2. Select **FEATURES** 3. Enter **FEATURES** menu.

Step	Press button		Result on screen
4		Select **CHILD LOCK**.	
5		Enter **ACCESS CODE** mode.	
6	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Key in access code.	
7		Press button repeatedly until **CLEAR ALL** is selected.	
8		Activate clearing of all locked channels.	
9		Exit menu from screen.	



Note

You can also unlock individual channel by the **LOCK CHANNEL** menu.

- Repeat **step 1** to **7** as in **"ACTIVATING THE CHILD LOCK (LOCK CHANNEL)"**.
- Select the channel you want to unlock by the or (**CURSOR UP** / **DOWN**) buttons.
- Press the (**CURSOR RIGHT**) button to unlock channel (the keylock symbol will disappear).

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USING THE SURF CONTROL

A list or series of previously viewed channels can be selected with the **SURF** button. This feature allows you to switch between different TV programmes that currently interest you. You can set up to a maximum of ten channels in the **SURF** list.

How to add a channel to the surf list

Step	Press button		Result on screen
1	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Select a channel you want to add to the surf list.	8
2	SURF	Enter **SURF** menu.	SURF ▪▸ 8 ADD? SURF LIST EMPTY
3		Add selected channel to the surf list.	SURF ▪▸ 8 DELETE?
		Repeat steps 1 - 3 to add more channels to the surf list.	SURF ▪ 8 ▪▸ 5 ADD?
4	i+	After you have completed adding the selected channels to the surf list, exit menu from screen.	SURF ▪ 8 ▪▸ 5 DELETE?

Note : To view the the selected channels in the surf list, press the **SURF** button repeatedly to cycle through the channels.

How to delete a channel from the surf list

1. Press the SURF (**SURF**) button to display surf list.
2. Press the SURF (**SURF**) button repeatedly to cycle through the surf list and select the channel you want to delete.
3. Press the (**CURSOR RIGHT**) button to delete channel from the surf list.
4. Repeat all the above steps if you want to delete more channels from the surf list.

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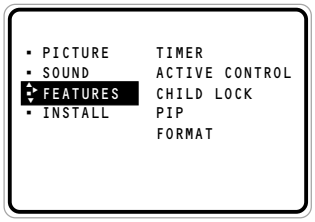
USING THE SCREEN FORMAT

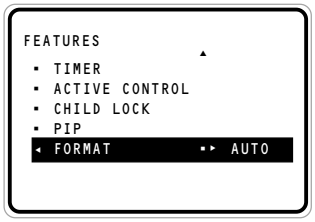
You can have a choice of different formats for your viewing pleasure, namely : - **Auto, 4:3** mode, **EXPAND 4:3** mode and **COMPRESS 16:9** mode through the **FORMAT** menu.

How to access the Screen Format

1. Press the MENU (**MENU**) button to enter main menu and press the ▼ (**CURSOR DOWN**) button repeatedly until **FEATURES** is selected.
2. Press the ▶ (**CURSOR RIGHT**) button to enter **FEATURES** menu.
3. Press the ▼ (**CURSOR DOWN**) button repeatedly until **FORMAT** is selected.
4. Press the ▶ (**CURSOR RIGHT**) button repeatedly to cycle through the different formats (**Auto, 4:3, Expand 4:3** or **Compress 16:9**) and select your desired format.

Note : You can also select your desired Screen Format directly by the ▲ (**CURSOR UP**) or ▼ (**CURSOR DOWN**) button

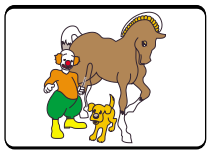




When to use the Screen Formats

AUTO format

When **AUTO** format is selected, it will select the correct screen format provided the specific signals are transmitted with the programmes.

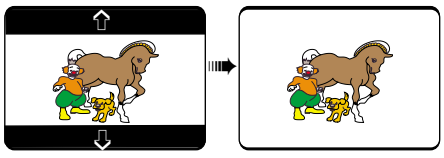


4:3 format

Select the 4:3 format if you want to display the 4:3 picture using the full surface of the screen.

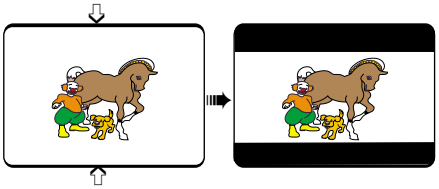
EXPAND 4:3 format

Select the EXPAND 4:3 format if you want to expand movie images recorded in the letterbox format. When this format is selected, the black horizontal bars at the top and bottom are expanded thus filling up the entire TV screen.



COMPRESS 16:9 format

Select the COMPRESS 16:9 format if you want to compress full screen movie images into letterbox format. When this format is selected, black horizontal bars can be seen at the top and bottom of the TV screen.



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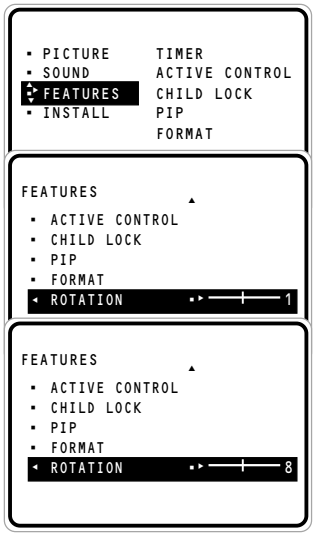
USING THE ROTATION FEATURE

Due to the earth's magnetic field and positoin of the TV set, slight tilting of the picture to the left or right may occur when the set is switched on. When this phenomenon occurs, select **ROTATION** in the **FEATURE** menu and adjust accordingly by the **Cursor Right** or **Left** button.

How to use the Rotation Feature

1. Press the MENU (**MENU**) button to enter main menu and press the (**CURSOR DOWN**) button repeatedly until **FEATURES** is selected.
2. Press the (**CURSOR RIGHT**) button to enter **FEATURES** menu.
3. Press the (**CURSOR DOWN**) button repeatedly until **ROTATION** is selected.
4. Press the (**CURSOR RIGHT**) button when picture is tilted to the left. Press button until you deem picture is in normal position. If picture is tilted to the right, press the (**CURSOR LEFT**) button until you deem picture is in normal position.



Picture tilted to the left

After adjustment

Picture tilted to the right

After adjustment

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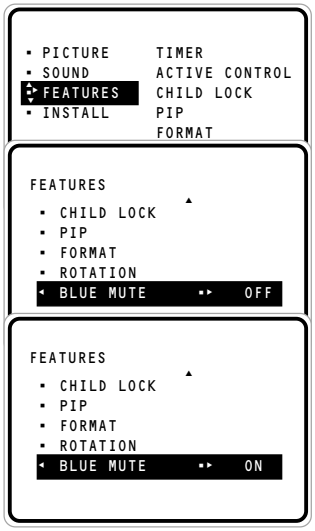
USING THE BLUE MUTE FEATURE

Blue Mute feature indicates to you the absence of signalwhen the TV screen turns blue. To activate the Blue Mute feature, select the "**ON**" option in the Blue Mute menu.

How to access the Blue Mute function

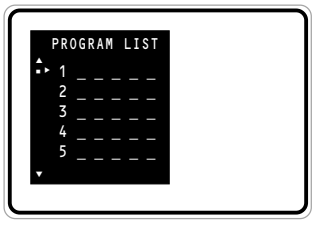
1. Press the (MENU) (**MENU**) button to enter main menu and press the (**CURSOR DOWN**) button repeatedly until **FEATURES** is selected.
2. Press the (**CURSOR RIGHT**) button to enter **FEATURES** menu.
3. Press the (**CURSOR DOWN**) button repeatedly until **BLUE MUTE** is selected.
4. Press the (**CURSOR RIGHT**) button to select **ON** option to activate the Blue Mute function.
5. Press the (**OSD**) button to exit menu from screen.



USING THE PROGRAM LIST FEATURE

Program listing feature allows you to navigate through a list of installed programmes for a quick overview of the channels and activate the channel you have selected.

1. Press the (PROGRAM LIST) (**PROGRAM LIST**) button to display the list of installed programmes. The current channel is highlighted.
2. Press the (**CURSOR UP**) or (**CURSOR DOWN**) button to cycle through the programme list and highlight the channel number you want to activate.
3. Press the (**CURSOR RIGHT**) button to activate the channel you have selected.
4. Press the (**OSD**) button to exit menu from screen.



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SMART PICTURE AND SMART SOUND CONTROL

SMART PICTURE feature offers you a choice of 5 picture settings, namely, **RICH, NATURAL**, **SOFT**, **PERSONAL and MULTIMEDIA**.

SMART SOUND feature offers you a choice of 4 sound settings, namely, **THEATRE, MUSIC, VOICE** and **PERSONAL**.

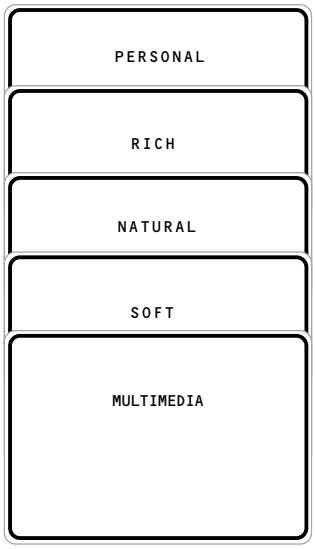
Note : If you want to view the pre-set settings for Brightness, Colour, Contrast and Sharpness levels, for Smart Picture and pre-set settings for Treble and Bass levels for Smart Sound, you must press the (**OSD**) button for 5 seconds.

Press SMART (**SMART PICTURE**) or SMART (**SMART SOUND**) button repeatedly to cycle through the settings to select your desired mode.

Definition of Picture Settings

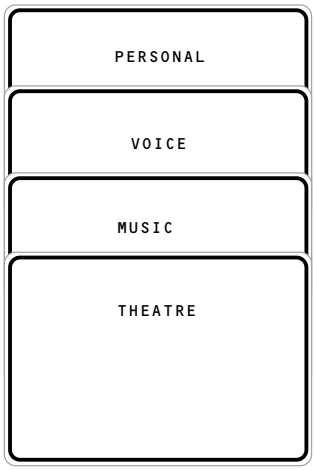
PERSONAL : Picture settings are set to your preference.
RICH : Emphasize very vibrant colours. (Suitable for AV mode in brightly-lit room)
NATURAL : Emphasize original colours.
SOFT : Emphasize "warm" colours. (Suitable for dimly-lit room condition and gives cinema-like effect when light is switched off).
MULTIMEDIA : Emphasize "soft" colours. (Suitable for playing computer games, surfing, etc.)

Note : The **PERSONAL** setting is the setting that you set up using the Picture menu in the main menu. This is the only setting in the Smart Picture settings that can be changed. All the other settings are pre-set at the factory.



Definition of Sound Settings

PERSONAL : Sound settings are set to your preference.
VOICE : Emphasize high tone. (Treble boosted)
MUSIC : Emphasize low tone. (Bass boosted)
THEATRE : Emphasize sensation to action. (Bass and Treble boosted)



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ACTIVATING THE PIP (PICTURE-IN-PICTURE) AND DOUBLE WINDOW CONTROL

Picture-in-Picture feature allows you to call up a subscreen within your main screen enabling you to watch two channels at the same time.
Double Window feature allows you to divide the main screen into two sub-screens enabling two channels to be watched simultaneously.
Note : PIP and Double Window features cannot be activated when teletext mode is on.

How to switch on the PIP/Double Window screen

1. Press the (**PIP On/Off**) button to switch on PIP mode. (A normal size PIP screen appears).

2. Press the button the second time to change the normal size PIP screen to a smaller size.

3. Press the button the third time to switch to Double Window screens in 4:3 format.

4. Press the button the fourth time to switch to Double Window screens in 16:9 format.

Note : When the programme on the PIP screen is in NTSC mode or transmission, the picture size appears smaller. Likewise, when programme on the main screen is in NTSC mode or transmission, the picture size appears smaller.

16:9 format (NTSC mode)

5. Press the button the fifth time to switch off 16:9 Double Window screens.

4:3 format (NTSC mode)

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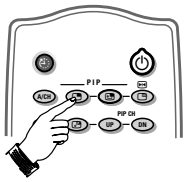
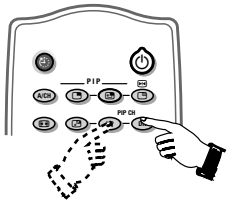
ACTIVATING THE PIP (PICTURE-IN-PICTURE) CONTROL

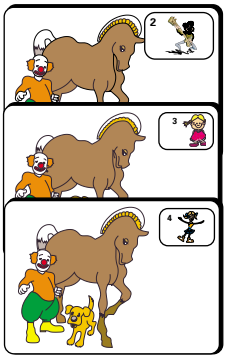
How to select a PIP channel



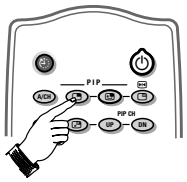
- Press the (**PIP On/Off**) button to switch on PIP screen.



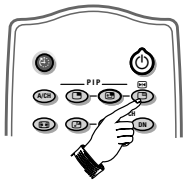
- Press the UP (**PIP Up**) or DN (**PIP Down**) button to select a PIP channel in ascending or descending order.



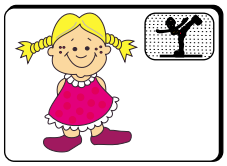
How to freeze the PIP screen



- Press the (**PIP On/Off**) button to switch on PIP screen.

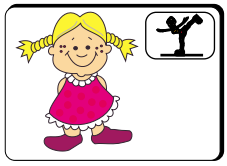


- Press (**PIP Freeze**) button once to freeze the PIP screen. Freezing the PIP screen allows you to view a programme in the still mode. For example, you may want to write down some information from the PIP screen, freezing the screen will allow you time to do so.



PIP Freeze

- Press the (**PIP Freeze**) button the second time to unfreeze the PIP screen.



PIP Unfreeze

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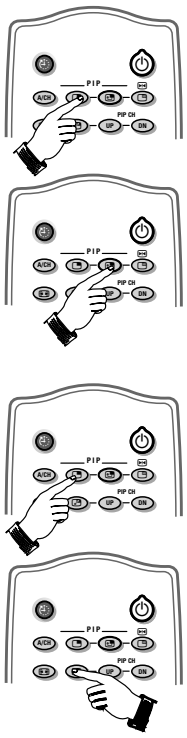
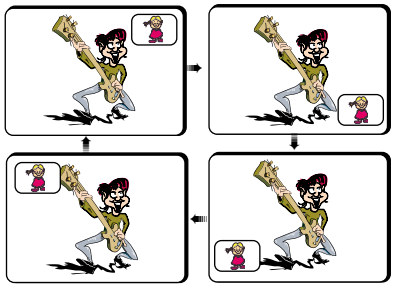
ACTIVATING THE PIP (PICTURE-IN-PICTURE) CONTROL



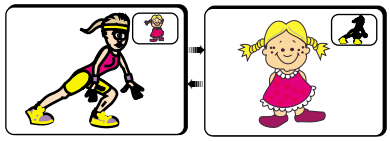
How to position the PIP screen

- Press the (**PIP On/Off**) button to switch on PIP screen.
- Press the (**PIP Position**) button repeatedly to your desired position. (You can choose the PIP screen to be on the top left corner, top right corner, bottom right corner or the top bottom left corner).



How to swap the PIP screen and the main screen

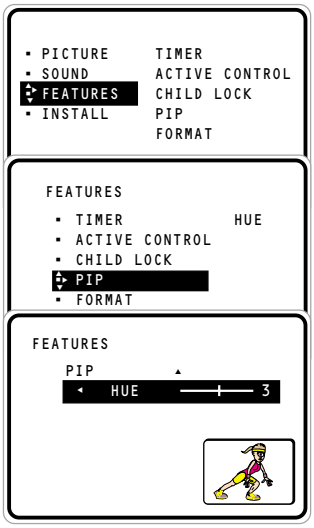
- Press the (**PIP On/Off**) button to switch on PIP screen.
- Press the (**PIP Swap**) button to swap the programme in the PIP screen and the programme in the main screen.



How to adjust the PIP Hue setting

1. Press the (**MENU**) button to enter main menu.
2. Press the (**CURSOR DOWN**) button repeatedly until **FEATURES** is selected.
3. Press the (**CURSOR RIGHT**) button to enter the **FEATURES** menu.
4. Press the (**CURSOR DOWN**) button repeatedly until **PIP** is selected.
5. Press the (**CURSOR RIGHT**) button to enter **PIP** menu.
6. Press the (**CURSOR LEFT**) or (**CURSOR RIGHT**) button to adjust **HUE** setting to your desired level.
7. Press the (**OSD**) button to exit menu from screen.

Note : Hue adjustments in the PIP programmes will only take effect if programmes are in NTSC mode.



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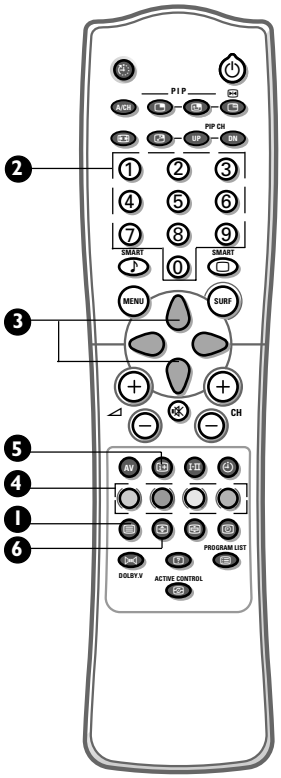
USING THE TELEXTEXT

Applicable to model 29PT8420 ONLY

If a TV channel broadcast contains teletext information, each channel that broadcasts teletext transmits a page (index page) with information on how to use the teletext system, usually on page 100. The system transmitted is indicated in the option line at the bottom of the screen.



Press button	Result on screen
1 On/Off teletext and Superimpose teletext page over TV programme	Press the button once to switch on teletext display. (A channel in which teletext is being transmitted must be selected). Press the button the second time superimpose the teletext page over the TV programme. Press the button the third time to exit teletext mode.
2 Selecting a teletext page	Key in the required teletext page (3 digits). The page number is displayed at the top left hand corner of the screen. When the teletext page is located, the counter stops searching. If the counter keeps searching, it means that the page is not available for selection. If you make a mistake in keying the page number, you have to complete keying the 3-digit number before re-keying the correct page number.
3 Accessing a teletext page	Press the **CURSOR UP** button to display the next page and the **CURSOR DOWN** button to display the previous page.
4 Direct Access to an item or corresponding pages	The 4-colour buttons allow you to access directly an item or corresponding pages.
5 Main Index	Press the button to return to the main index page.
6 Enlarge	Press the button once to enlarge and view the top half of the page. Press the button the second time to enlarge and view the bottom half of the page. Press the button the third time to return to normal size page.

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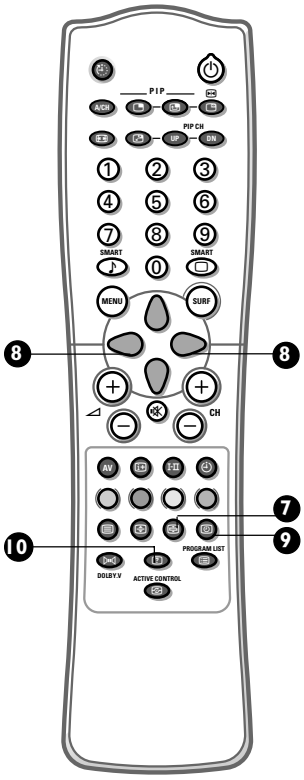
USING THE TELETEXT



Press button	Result on screen
7 Hold	Not applicable.
8 Selecting a sub-page	For a teletext page with sub-pages, press the **Cursor Left** or **Right** button to access the previous sub-page or the next subpage.
9 Subcode/ Time Display	By adding a sub-code, you can call up a sub-page and hold it. Enter the teletext page number (the teletext page must have sub- pages in it). Press the button and "* * * * " is displayed at the upper left hand corner. Enter the subpage with 4 digits : e.g. 0003 for 3/4 (third of 4 pages). You can also use the Cursor Left and Right buttons to access the sub-page. To cancel the subcode, press button again. Press this button during normal viewing (only applicable to those channels that is broadcasting teletext), to display the time at the top right hand corner of the screen.
10 Reveal/ Conceal	Press the button once to reveal hidden information (solutions to puzzles, riddles, etc). Press the button the second time to conceal information. This button is applicable only to teletext page with puzzles, riddles, etc.)

How to select your favourite page

This feature allows you select 4 of your favourite or most commonly viewed page and stored them in the favourite page selection. You can then access directly your favourite page by the colour buttons without having to key in the page number.

1. Press the **TELEXTEXT ON/OFF**) button to enter teletext mode.
2. Press the (**MENU**) button to enter favourite page selection. **Note** : The colour alphabets at the bottom of the screen is now changed to page numbers.
3. Key in your favourite page by the (**DIGIT 0 -9**) buttons.
4. Press the (**INDEX/OSD**) button to highlight pager numbers.
5. Select the colour button on your remote control you want your favourite page to be stored.
6. Repeat **step 3** to **5** to select and store other favourite pages.

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SPECIFICATIONS

	29PT8420
Picture tube screen size	720 mm
Picture tube visible area	680 mm
Audio Output : Speaker Subwoofer	 2 x 10 W 10 W
TV System	 NTSC M PAL B/G PAL D/K PAL I SECAM B/G SECAM D/K SECAM K1
Playback System	NTSC 3.58, NTSC 4.43, PAL 60
Set Dimensions : Width Depth Height	 755 mm 493 mm 578 mm
Net Weight of Set (approximate)	approximate 49 kg

Note

For Operating Voltage, Frequency, Power Consumption and Version Number, refer to the type number at the rear of the set.

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